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OM protein - protein search, using sw model

Run on: February 11, 2003, 19:46:30 : Search time 142.457 Seconds
(without alignments)
2116.076 Million cell updates/sec

Title: US-09-497-967-7

Perfect score: 2540

Sequence: 1 MKNNILVILISLFINQIKS.....QCFANFLISLLLSYYLL 468

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 4569144 segs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending_Patents_AA_Main:*

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26: /cgn2_6/ptodata/1/paa/US102_COMB.pep.*
27: /cgn2_6/ptodata/1/paa/US60_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Length	ID	Description
1	2540	100.0	468	18 US-09-497-967-7
2	2540	100.0	468	18 US-09-498-612-6
3	2533	99.7	468	18 US-09-497-967-54
4	921	36.3	442	18 US-09-497-967-6
5	921	36.3	442	18 US-09-498-612-5
6	843.5	33.2	414	3 US-07-763-352A-15

7	801.5	31.6	409	18	US-09-497-967-61	Sequence 61, Appl
8	749	29.5	375	3	US-07-763-352A-3	Sequence 3, Appl
9	424	16.7	76	18	US-09-497-967-57	Sequence 57, Appl
10	404	15.9	72	18	US-09-497-967-55	Sequence 55, Appl
11	403	15.9	71	18	US-09-497-967-58	Sequence 58, Appl
12	389	15.3	72	18	US-09-497-967-56	Sequence 56, Appl
13	375	14.8	70	18	US-09-497-967-59	Sequence 59, Appl
14	373	14.7	70	18	US-09-497-967-55	Sequence 55, Appl
15	258	10.2	1576	25	US-10-123-155-301	Sequence 301, App
16	258	10.2	1576	25	US-10-137-871-301	Sequence 301, App
17	258	10.2	1576	25	US-10-140-472-301	Sequence 301, App
18	258	10.2	1576	25	US-10-140-805-301	Sequence 301, App
19	258	10.2	1576	25	US-10-140-864-301	Sequence 301, App
20	258	10.2	1576	25	US-10-140-923-301	Sequence 301, App
21	258	10.2	1576	25	US-10-141-756-301	Sequence 301, App
22	258	10.2	1576	25	US-10-141-756-301	Sequence 301, App
23	258	10.2	1576	25	US-10-141-756-301	Sequence 301, App
24	258	10.2	1576	25	US-10-141-756-301	Sequence 301, App
25	258	10.2	1576	25	US-10-142-426-301	Sequence 301, App
26	258	10.2	1576	25	US-10-142-885-301	Sequence 301, App
27	258	10.2	1576	25	US-10-146-731-301	Sequence 301, App
28	255.5	10.1	2917	25	US-10-158-790-301	Sequence 301, App
29	255.5	10.1	2917	25	US-10-123-155-343	Sequence 343, App
30	255.5	10.1	2917	25	US-10-137-871-343	Sequence 343, App
31	255.5	10.1	2917	25	US-10-140-472-343	Sequence 343, App
32	255.5	10.1	2917	25	US-10-140-805-343	Sequence 343, App
33	255.5	10.1	2917	25	US-10-140-864-343	Sequence 343, App
34	255.5	10.1	2917	25	US-10-146-731-343	Sequence 343, App
35	255.5	10.1	2917	25	US-10-141-756-343	Sequence 343, App
36	255.5	10.1	2917	25	US-10-141-756-343	Sequence 343, App
37	255.5	10.1	2917	25	US-10-141-761-343	Sequence 343, App
38	255.5	10.1	2917	25	US-10-142-426-343	Sequence 343, App
39	255.5	10.1	2917	25	US-10-142-885-343	Sequence 343, App
40	255.5	10.1	2917	25	US-10-146-731-343	Sequence 343, App
41	254	10.0	3038	25	US-10-158-790-343	Sequence 343, App
42	254	10.0	3038	25	US-10-176-912-69	Sequence 69, Appl
43	254	10.0	3038	25	US-10-179-524-69	Sequence 69, Appl
44	254	10.0	3038	25	US-10-184-634-69	Sequence 69, Appl
45	252	9.9	2033	25	US-10-123-155-307	Sequence 307, App

ALIGNMENTS

RESULT 1
US-09-497-967-7
Sequence 7, Application US/09497967
GENERAL INFORMATION:
APPLICANT: Clark, Theodore G.
APPLICANT: Dickerson, Jr., Harry W.
APPLICANT: Lin, Tian-Long
TITLE OF INVENTION: DIAGNOSTIC AND PROTECTIVE ANTIGEN GENE SEQUENCES OF
TITLE OF INVENTION: ICHTHYOPHTHRIRIUS
FILE REFERENCE: 235.00170101
CURRENT APPLICATION NUMBER: US/09/497,967
CURRENT FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/131,121
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/118,634
PRIOR FILING DATE: 1999-02-04
PRIOR APPLICATION NUMBER: 60/122,372
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,905
PRIOR FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 468
TYPE: PRT
ORGANISM: Ichthyophthirius multifiliis
US-09-497-967-7
Query Match 100.0%; Score 2540; DB 18; Length 468;

Best Local Similarity 100.0%; Pred. No. 6.9e-213; Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Qy	1 MKNILVILIISLFINQIKSANGPVGTETNTAGVDDLGTTPANCNCOKNFYNNAAAFV 60
Db	1 MKNILVILIISLFINQIKSANGPVGTETNTAGVDDLGTTPANCNCOKNFYNNAAAFV 60
Qy	61 PGASTCTPCQKDKAGAPNPATANLVTCNVKCPAGTAIAGGATDYAAIITECVNCRI 120
Db	61 PGASTCTPCQKDKAGAPNPATANLVTCNVKCPAGTAIAGGATDYAAIITECVNCRI 120
Qy	121 NFYNENAPNFNAGASTCTACPVNRVGGALTAGNAATIVAOCNVACPTGTALDDGVTTDVF 180
Db	121 NFYNENAPNFNAGASTCTACPVNRVGGALTAGNAATIVAOCNVACPTGTALDDGVTTDVF 180
Qy	181 RSFTECVKRLNFYNGNGNTPNPGKSQCTPCPAIKPANVAQAATLGNDATITACQNV 240
Db	181 RSFTECVKRLNFYNGNGNTPNPGKSQCTPCPAIKPANVAQAATLGNDATITACQNV 240
Qy	241 CPDGTISAAGVNNVVAQNTCTNCAPNFYNNAPNPNPGNSTCLPCPANKDYGAEATAGG 300
Db	241 CPDGTISAAGVNNVVAQNTCTNCAPNFYNNAPNPNPGNSTCLPCPANKDYGAEATAGG 300
Qy	301 AATLAKQNCIACPDGTATASGATNVILQTECLNCAANFYFDGNNFQAGSSRCKACPANK 360
Db	301 AATLAKQNCIACPDGTATASGATNVILQTECLNCAANFYFDGNNFQAGSSRCKACPANK 360
Qy	361 VOGAVATAGGTATLIAQCALECPAGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVA 420
Db	361 VOGAVATAGGTATLIAQCALECPAGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVA 420
Qy	421 GIDTCTSNKKLTSGAEANLPESAKKNIQCDNFANFLSISLLLSYLL 468
Db	421 GIDTCTSNKKLTSGAEANLPESAKKNIQCDNFANFLSISLLLSYLL 468
RESULT 2	
US-09-498-612-6	
; Sequence 6, Application US/09498612	
; GENERAL INFORMATION:	
; APPLICANT: GAERTIG, Jacek	
; APPLICANT: DICKERSON Jr., Harry W.	
; APPLICANT: CLARK, Theodore G.	
; APPLICANT: THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC	
; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF HETEROLOGOUS NUCLEIC ACIDS IN	
; TITLE OF INVENTION: PROTOZOA	
; FILE REFERENCE: 235.00100101	
; CURRENT APPLICATION NUMBER: US/09/498,612	
; PRIOR FILING DATE: 2000-02-04	
; PRIOR APPLICATION NUMBER: 60/118,634	
; PRIOR FILING DATE: 1999-02-04	
; PRIOR APPLICATION NUMBER: 60/122,372	
; PRIOR FILING DATE: 1999-03-02	
; PRIOR APPLICATION NUMBER: 60/124,905	
; PRIOR FILING DATE: 1999-03-17	
; PRIOR APPLICATION NUMBER: 60/131,121	
; PRIOR FILING DATE: 1999-04-27	
; PRIOR APPLICATION NUMBER: PCT/US00/02966	
; PRIOR FILING DATE: 2000-02-04	
; NUMBER OF SEQ ID NOS: 14	
; SOFTWARE: PatentIn Ver. 2.0	
; SEQ ID NO 6	
; LENGTH: 468	
; TYPE: PRT	
; ORGANISM: Ichthyophthirius multifiliis	
US-09-498-612-6	
Query Match 100.0%; Score 2540; DB 18; Length 468;	
Best Local Similarity 100.0%; pred. No. 6.9e-213;	
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Qy	1 MKNILVILIISLFINQIKSANGPVGTETNTAGVDDLGTTPANCNCOKNFYNNAAAFV 60
Db	1 MKNILVILIISLFINQIKSANGPVGTETNTAGVDDLGTTPANCNCOKNFYNNAAAFV 60

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Query Match      36.3%; Score 921; DB 18; Length 442;
Best Local Similarity 41.8%; Pred. No. 2.2e-71;
Matches 214; Conservative 45; Mismatches 139; Indels 114; Gaps 19;

QY 1 MKNNILVILIISLFNOLKSAKNCVGTGTNTAGQVD---DLGTPANCYCNCKNFYFNNNA 56
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1 MKYNILLIILIISLFINELRAYCPDGTGTQ---AGLTDVGAADLGT---CVCNRPNFYFNG 56
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 57 AAFVPGASTCTCPCKKADGAQPNPPATANILVTGCNKPAGTAIAGGATDYAAIITECV 116
   || || || || || || || || || || || || || || || || || || || || ||
Db 57 AA-----OGEANGNOPFAAN----- 71

QY 117 NCRINFYNENAFNFNAGASTCTACPVNRVSGALTAGNAATIVACNVACPTGTALDDGVT 176
   || || || || || || || || || || || || || || || || || || || || ||
Db 72 -----NAARGICVPQCNRVSVTNAGDLATLATQCTQCTGTALDDGVT 117
   || || || || || || || || || || || || || || || || || || || || ||

QY 177 TDYVRSETCEVKCRNFYFNGNN--GNTP-----FNPG-----KSQCTPCPAIKPAN 221
   || || || || || || || || || || || || || || || || || || || || ||
Db 118 DYFDRSAQCVCVKCNFNFYFNGSGPQGEAPGVGVFAAGAAAGAAVAVTSQCVPCQLNKK--N 175
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Query Match          36.3%; Score 921; DB 18; Length 442;
Best Local Similarity 41.8%; Pred. No. 2.2e-71;
Matches 214; Conservative 45; Mismatches 139; Indels 114; Gaps 19;
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QY 1 MKNNILVILIISLEINQKSAACPVGTETNTAGVD---DLGTPANCVCOKNFYNNA 56
||| ||| ||| ||| :||| :||| ||| ||| ||| ||| |||
Db 1 MKYNILLIILIIISLEINLRAVPDPDGTQTQ--AGLTDVGAADLGT---CVNCRPNFYNGG 56

QY 57 AAFVPGASTCTCPQKKDAGAQPNPATANLYTCNVKCPAGTAIAGGATDYAAITTECV 116
|| | | | | | | | | | | | | | | | | | | | |
Db 57 AA-----OGEANGNQPPAAN-----71

QY 117 NCHINFYNENAPFNAGASTCTACPVRNVGGALTAGNAATIIVAQCNVACPTGTALDDGYT 176
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 72 -----NAARGICVPQCINRVGSVTWAGDLATLATCSTQCTGTGALDDGYT 117

QY 177 TDYVSRTCEVKRCFLNFYGNM--GNTP-----FNEG-----KSQCTPCPAIKPAN 221
:|| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 118 DYFDRSAQCVCCKPFNFYINGSGSQGEAPGVQVFPAAGAAAAGVAAYTSQCVQLNK--N 175


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QY 244 GTISAAGVNNWAQNT---CTNCAPNFYN-----NAPN-----ENPG-----NST 282
Db 179 GTVLDDGKVT--LVENTSATLCVKRPNFYNGSGPQGEAPGVGVFAGAAAAAGVAAVTSQ 236
QY 283 CLCPANKPDYGAETAGGAATLAKOCHACPDGTATIASGAT-NYVILQTECLNCAANFYF 341
Db 237 CVPQCINKN-DSPATAGAAQLATQCSQTQCTGTATQDGVTLVFSNSSTQCSCIANFYF 295
QY 342 DGNFQAGSSRCKACPAKPVQAVATAGGTATILIAOCALECPAGTVLTDGTTSTYKQAA 401
Db 296 NG-NFEAGKSQCLKCPVSKTTPAHA-PSNTATQATQCLTCTCPAGTVLDDGTTSTNVSAGT 353
QY 402 ECVKCAANFYTKQTDWVAGTDCTSCNKKLTSGAEANLPESAKNIOCDFANF 455
Db 354 ECTKCSAGFFASKTTGFTAGTDTCTECKRLTSGATAKYABATQKVOCASITF 407

RESULT 8
US-07-763-352A-3
; Sequence 3, Application US/07763352A
; GENERAL INFORMATION:
; APPLICANT: Clark, Theodore G.
; APPLICANT: Dickerson, Harry W.
; TITLE OF INVENTION: ICH IMMOBILIZATION ANTIGEN AND FISH
; TITLE OF INVENTION: VACCINE
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Greenlee and Winner
; STREET: 5370 Manhattan Circle, Ste. 201
; CITY: Boulder
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/763,352A
; FILING DATE: 19910920
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferber, Donna M.
; REGISTRATION NUMBER: 33,878
; REFERENCE/DOCKET NUMBER: 15-91
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/499-8080
; TELEFAX: 303/499-8089
; TELEX: 823189
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-763-352A-3

Query Match 29.5%; Score 749; DB 3; Length 375;
Best Local Similarity 38.4%; Pred. No. 1.9e-56;
Matches 172; Conservative 39; Mismatches 133; Indels 104; Gaps 15;

QY 17 QIKSANCVPVGTETNTAGVD----DLGTPANCVCOKNFYNNAAAFVPGASCTCTPCQK 72
Db 1 EFRVAVCPDGTQ-AGLTDVCAADLGT---CVCNRFNYINGGAA----- 42
QY 73 KDAGAQPNPATANLVTCNVKCPAGTAAGGATDYAAIITEVCNCRINFYNENAPFNA 132
Db 43 -OGEANGNOPFAAN----- 11
QY 133 GASTCTACPVNRVGGALTAGNAATVIAQCNCVACPTGTALDDGVTYDTRSFTECVKRLN 192

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Thu Feb 20 11:31:02 2003

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; FILE REFERENCE: 235.00170101
; CURRENT APPLICATION NUMBER: US/09/497,967
; CURRENT FILING DATE: 2000-02-04
; PRIOR FILING DATE: 1999-04-27
; PRIOR FILING DATE: 1999-04-27
; PRIOR FILING DATE: 1999-02-04
; PRIOR FILING DATE: 1999-02-04
; PRIOR FILING DATE: 1999-03-02
; PRIOR FILING DATE: 1999-03-17
; PRIOR FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 55
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Ichthyophthirius multifiliis
US-09-497-967-55

Query Match          15.9%; Score 404; DB 18; Length 71;
Best Local Similarity 100.0%; Pred. No. 3.5e-27;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 CPVGTETTAGQVDDLGTPANCVCQKNEFYNNAAAFVPGASTCTCPQKKDAGAPNPP 82
Db 1 CPVGTETTAGQVDDLGTPANCVCQKNEFYNNAAAFVPGASTCTCPQKKDAGAPNPP 60

QY 83 ATANLVTCQNVK 94
Db 61 ATANLVTCQNVK 72

RESULT 11
US-09-497-967-58
; Sequence 58, Application US/09497967
; GENERAL INFORMATION:
; APPLICANT: Clark, Theodore G.
; APPLICANT: Dickerson, Jr., Harry W.
; APPLICANT: Lin, Tian-Long
; TITLE OF INVENTION: DIAGNOSTIC AND PROTECTIVE ANTIGEN GENE SEQUENCES OF
; FILE REFERENCE: 235.00170101
; CURRENT FILING DATE: 2000-02-04
; CURRENT APPLICATION NUMBER: US/09/497,967
; PRIOR FILING DATE: 1999-04-27
; PRIOR FILING DATE: 1999-04-27
; PRIOR FILING DATE: 1999-02-04
; PRIOR FILING DATE: 1999-02-04
; PRIOR FILING DATE: 1999-03-02
; PRIOR FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Ichthyophthirius multifiliis
US-09-497-967-58

Query Match          15.9%; Score 403; DB 18; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.2e-27;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 241 CPDGTISAAGVNNWVAQNTCTNCAPNFYNNAPNFNPGNSTCLPCPANKDYGAEATAG 300
Db 1 CPDGTISAAGVNNWVAQNTCTNCAPNFYNNAPNFNPGNSTCLPCPANKDYGAEATAG 60

QY 301 AATLAKQCNIA 311
Db 61 AATLAKQCNIA 71
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RESULT 12
US-09-497-967-60
; Sequence 60, Application US/09497967
; GENERAL INFORMATION:
; APPLICANT: Clark, Theodore G.
; APPLICANT: Dickerson, Jr., Harry W.
; APPLICANT: Lin, Tian-Long
; TITLE OF INVENTION: DIAGNOSTIC AND PROTECTIVE ANTIGEN GENE SEQUENCES OF
; FILE REFERENCE: 235.00170101
; CURRENT APPLICATION NUMBER: US/09/497,967
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/131,121
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/118,634
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 60/122,372
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,905
; PRIOR FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 60
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Ichthyophthirius multifiliis
US-09-497-967-60

Query Match          15.3%; Score 389; DB 18; Length 72;
Best Local Similarity 100.0%; Pred. No. 7.1e-26;
Matches 72; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 382 CPAGTVLFDGTTSTYKQAASECVKCAANFYTTKQTDVWAGIDTCTSCNKKLTSGAANLP 441
Db 1 CPAGTVLFDGTTSTYKQAASECVKCAANFYTTKQTDVWAGIDTCTSCNKKLTSGAANLP 60

QY 442 ESAKKNIOCFEA 453
Db 61 ESAKKNIOCFEA 72

RESULT 13
US-09-497-967-56
; Sequence 56, Application US/09497967
; GENERAL INFORMATION:
; APPLICANT: Clark, Theodore G.
; APPLICANT: Dickerson, Jr., Harry W.
; APPLICANT: Lin, Tian-Long
; TITLE OF INVENTION: DIAGNOSTIC AND PROTECTIVE ANTIGEN GENE SEQUENCES OF
; FILE REFERENCE: 235.00170101
; CURRENT APPLICATION NUMBER: US/09/497,967
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/131,121
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/118,634
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 60/122,372
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,905
; PRIOR FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 56
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Ichthyophthirius multifiliis
US-09-497-967-56

Query Match          14.8%; Score 375; DB 18; Length 70;
Best Local Similarity 100.0%; Pred. No. 1.2e-24;
Matches 70; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 95 CPAGTAAGGATDYAAIITECVNCRIENFYNENAPNFNAGASTCTACPNRVGGALTAGNA 154
Db 1 CPAGTAAGGATDYAAIITECVNCRIENFYNENAPNFNAGASTCTACPNRVGGALTAGNA 60
QY 155 ATIVAQCENVA 164
Db 61 ATIVAQCENVA 70

RESULT 14

US-09-497-967-59

; Sequence 59, Application US/09497967

; GENERAL INFORMATION:

; APPLICANT: Clark, Theodore G.

; APPLICANT: Dickerson, Jr., Harry W.

; APPLICANT: Lin, Tian-Long

; TITLE OF INVENTION: DIAGNOSTIC AND PROTECTIVE ANTIGEN GENE SEQUENCES OF

; TITLE OF INVENTION: ICHTHYOPHTHIRIUS

; FILE REFERENCE: 235.00170101

; CURRENT APPLICATION NUMBER: US/09/497,967

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: 60/131,121

; PRIOR FILING DATE: 1999-04-27

; PRIOR APPLICATION NUMBER: 60/118,634

; PRIOR FILING DATE: 1999-02-04

; PRIOR APPLICATION NUMBER: 60/122,372

; PRIOR FILING DATE: 1999-03-02

; PRIOR APPLICATION NUMBER: 60/124,905

; PRIOR FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 102

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 59

; LENGTH: 70

; TYPE: PRT

; ORGANISM: Ichthyophthirius multifiliis

US-09-497-967-59

Query Match 14.7%; Score 373; DB 18; Length 70;
Best Local Similarity 100.0%; Pred. No. 1.7e-24;
Matches 70; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 312 CPDGTATAGCATNVVILQTECLNCAANFYDGNFQAGSSRCKACPANKVQGVATAGGT 371
Db 1 CPDGTATAGCATNVVILQTECLNCAANFYDGNFQAGSSRCKACPANKVQGVATAGGT 60

QY 372 ATLIAQCALE 381

Db 61 ATLIAQCALE 70

RESULT 15

US-10-123-155-301

; Sequence 301, Application US/10123155

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3330R1C30
; CURRENT APPLICATION NUMBER: US/10/123,155
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 301
; LENGTH: 1576
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-123-155-301

Query Match 10.2%; Score 258; DB 25; Length 1576;

Best Local Similarity 29.7%; Pred. No. 1e-12;

Matches 118; Conservative 10; Mismatches 175; Indels 94; Gaps 20;

QY 42 ANCVNCKNFYNNAAAFVPGASTCTPCQKKDAGAPNPPATANLVTOCNVCKCPAGTAI 101
Db 5 AGCATC-----TTAATTGGAATCCAC-----AAAGTTT-----CATGTAA 39
QY 102 AGGATDYAAIITECVNCRIENFYNENAPNFNAGASTCTACPNRVGGALTAGNAATIVAQC 161
Db 40 TGAAGAGAA-ATACA-----TAATTTTAATTCAC-----CCAGT-GTTTCCAAG 84
QY 162 NVACPTGTALDDGVTDDYVRSFTECVKCRNFYNNNGNNTFNPCKSQCTPCPAIKPAN 221
Db 85 AGATTGTATTTGCTT--AAATTGCTAC-----AGTAATTCAA-----120
QY 222 VAQATLGNDAITTAOCNVACPDGTISAAGVNNVNAQTECTNCAPNFYNNNAPNPNPNS 281
Db 121 -----GAGACAGCCCTGCTGGACACAG-----AGTTACTGTGGATTTTAA--GAGAC 167
QY 282 TCLPCPANKDYGAETAGGAATLAKOCNIACPDGTAIASGATNYV-ILQTECLNCAANFY 340
Db 168 TCAGTTAAAG-AATTTAGGAATTTCTGATTATTAAAGGATTACAAATTCATCAACCC 226
QY 341 FDGNFQAGSSRCKACP--ANKVQGVATAGGTATLIAQCALECPAGVLTGTTSTTKQ 398
Db 227 CTG-----AAAACTAAGCAAAATTGA-ACAGGAAAAAAGAAAGA--TGGGTTTTT 278
QY 399 AASECVKCAANFYTTKQTDWVAGIDTCTSCNKKLTSG 435
Db 279 AAGTC--CAA---TATAGTATTATTTCTCTTTTGG 310

Search completed: February 11, 2003, 19:53:49

Job time : 143.457 secs

